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54 Digital sound level control in a telephone system.

57 A digital sound level control apparatus for adjusting the reception sound level from all telephone circuits to a substantially fixed level comprises region discrimination circuit (33) for discriminating PCM input data signal (D_i) from a PCM conversion section, including a segment coder for compressing and decompressing a digital audio signal, among intrinsic variation signal (A_1), basic normalization level signal (A_2) and coding threshold value (A_3), multiplication circuit (34) for outputting input level signal (L_i) of 12 bits, addition circuit (35), register (32) holding pad multiplication value (P_d) corresponding to a reception circuit, another multiplication circuit (36) for multiplying input level value (L_i) by pad multiplication value (P_d) to output output level signal (L_o) for outputting sound by a predetermined sound level, and comparison region discrimination circuit (37), subtraction circuit (38), division circuit (39) and register (40) for regenerating an 8-bit digital signal from output level signal (L_o).

A method of providing digital sound level control is also disclosed.

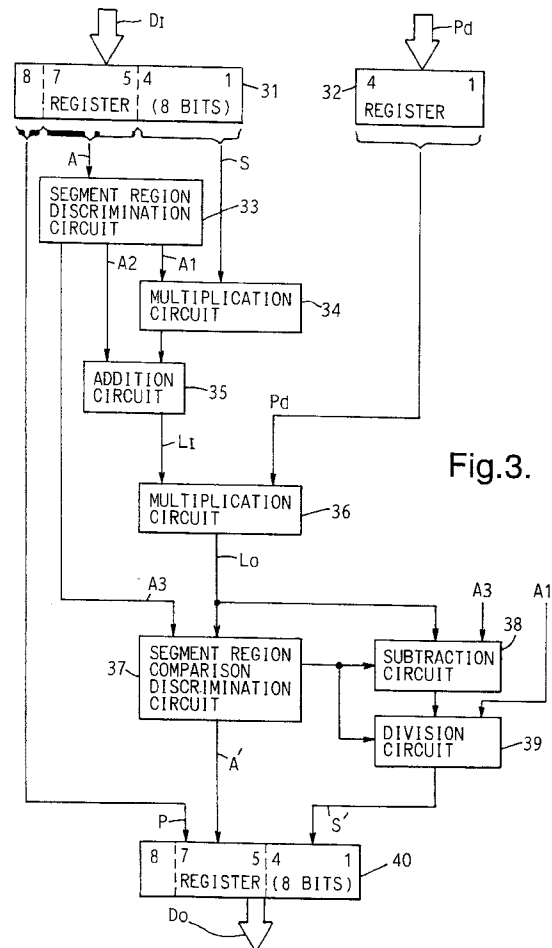


Fig.3.



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 93 30 9434

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X	GB-A-2 215 944 (IWATSU ELECTRIC CO. LTD) * abstract * * page 61, line 8 - page 68, line 5; figures 9A-9I *	1-6	H04M9/00 H04M1/60 H03G7/00
A	US-A-3 752 970 (AARON ET AL) * the whole document *	2-4,6	TECHNICAL FIELDS SEARCHED (Int.Cl.5) H04M H03G
A	US-A-5 070 524 (MANO) * the whole document *	1-6	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 September 1994	Examiner O'Reilly, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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